

**SIEMENS**

# **POWERMOBIL**

**SP**

## **Planning Guide System**

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**English**

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all	all	01
all	all	02
all	all	03
all	all	04

**Document revision level**

The document corresponds to the version/revision level effective at the time of system delivery.

Revisions to hardcopy documentation are not automatically distributed.

Please contact your local Siemens office to order current revision levels.

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## General Notes

- With distribution of these revision level, all preceding planning guides, Speed - Infos (PG's) and drafts lose their validity.
  - All layouts issued by the Planning Departments must bear a note referring to the installation and delivery conditions of Siemens Medical Engineering. The installation and delivery conditions must be submitted with the layouts.
  - Unless otherwise specified, all dimensions are indicated in "mm".
- ◆ - The symbol indicates a change (see revision status).
- - Orientation points  
Points specific to system components to which reference is made when positioning system components to each other or in the room.  
The isocenter of a radiographic system is always illustrated as the orientation point.
- Fixpoints  
Clearly marked points on system components, installation ceiling, walls or floor on which cable outlets are located.  
Illustration in the drawings: octagon with letter/number-combination.  
The cable lengths specify the maximum fixpoint distances and thus the maximum distances between the individual system components.
- Room height  
The room height is the distance measured from the top surface of the floor to the bottom surface of the ceiling structural elements (Unistrut rails) (bottom surface of drop ceiling).
- Room lighting  
According to DIN 68 68-57 (international standard in preparation), the lighting in rooms in which image playback devices (monitors) are used for diagnosis, the following requirements must be met:  
adjustable, no anti-glare screen, reproducible adjustment of the lighting (e. g. dimmer with scala),  
no glare or reflection from windows, lights and light boxes in the standard working position of the monitors.

Hotline + 49 (9191) 18 - 8080

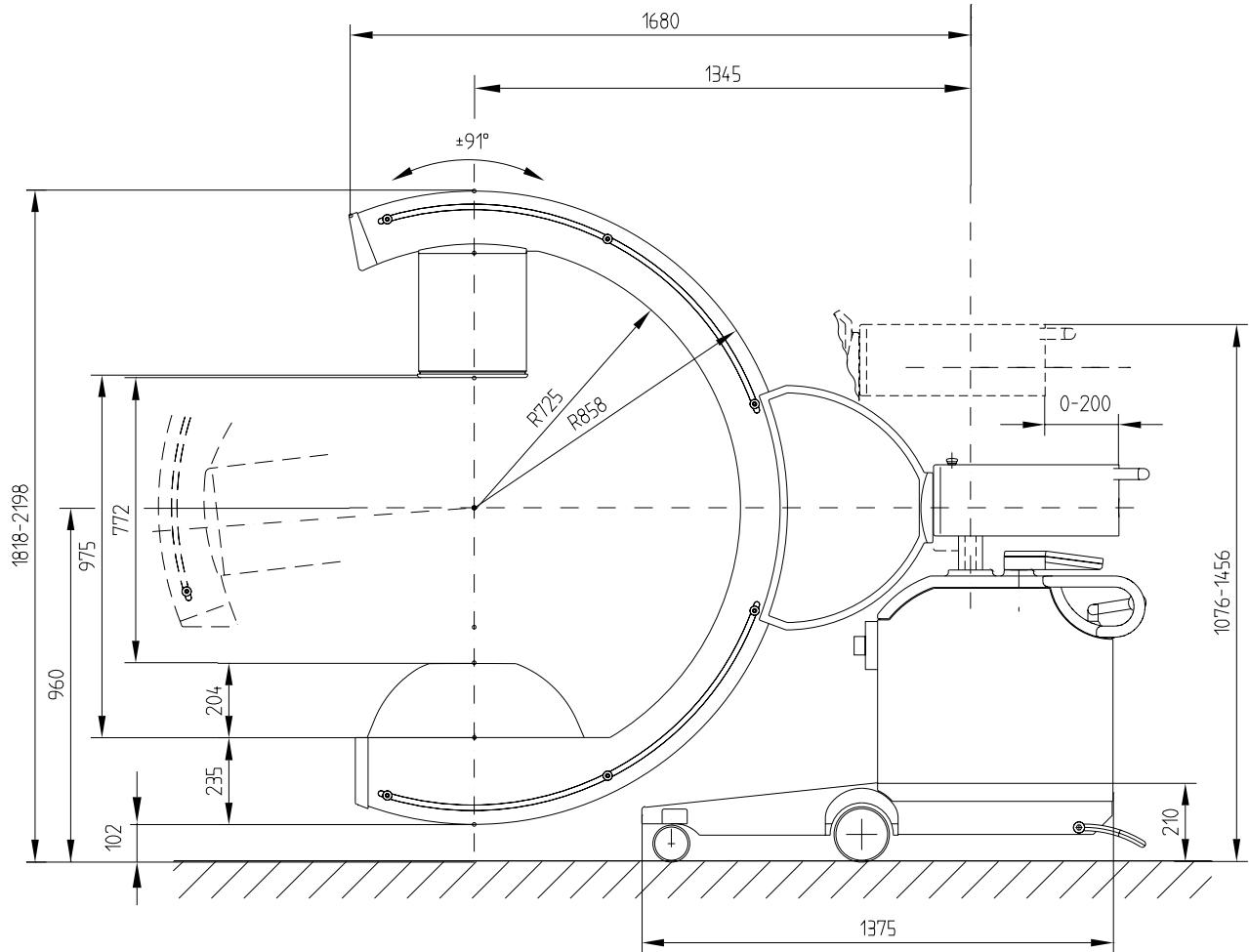
**Safety**

- The provisions of the relevant fire safety regulations must be observed for the premises.
- The system has been developed according to EN 60601 - 1.
- Minimum dimensions (e. g. room heights, safety distances) indicated in the planning guides are marked "min."
- Basic strength against electromagnetic sources of interference.  
Result of lightning discharges.  
The protection targets of the different lightning protection areas up to the unit connection are also specified in the IEC 1024, DIN 48810, VDE 0675 and in the DEMVT recommendations.

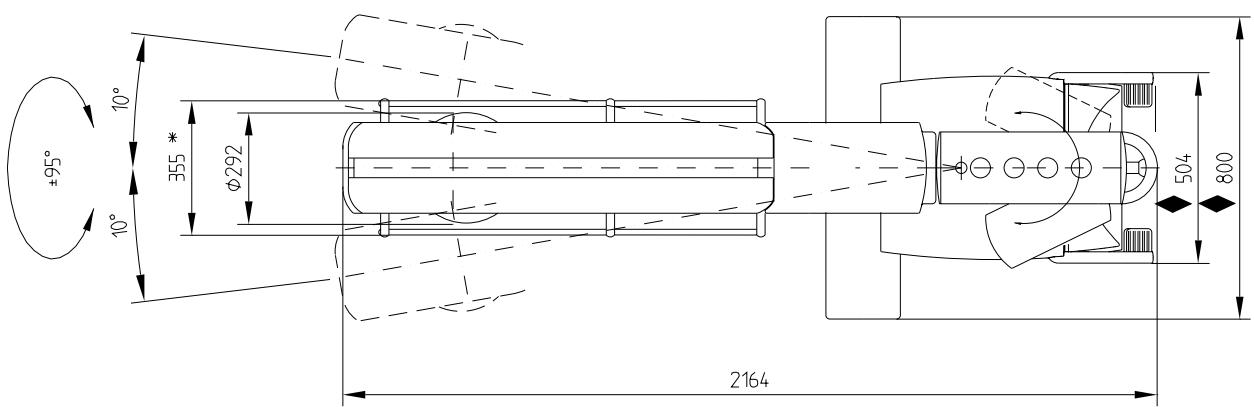
**Further Information for Detail Planning**

- PG: SIREMOBIL Option  
Multi-room Connection / 4View Monitor Option  
SPR2-130.891.02...

## POWERMOBIL Dimensions



1 : 20



Horizontal travel: 200 mm

\* including reeling

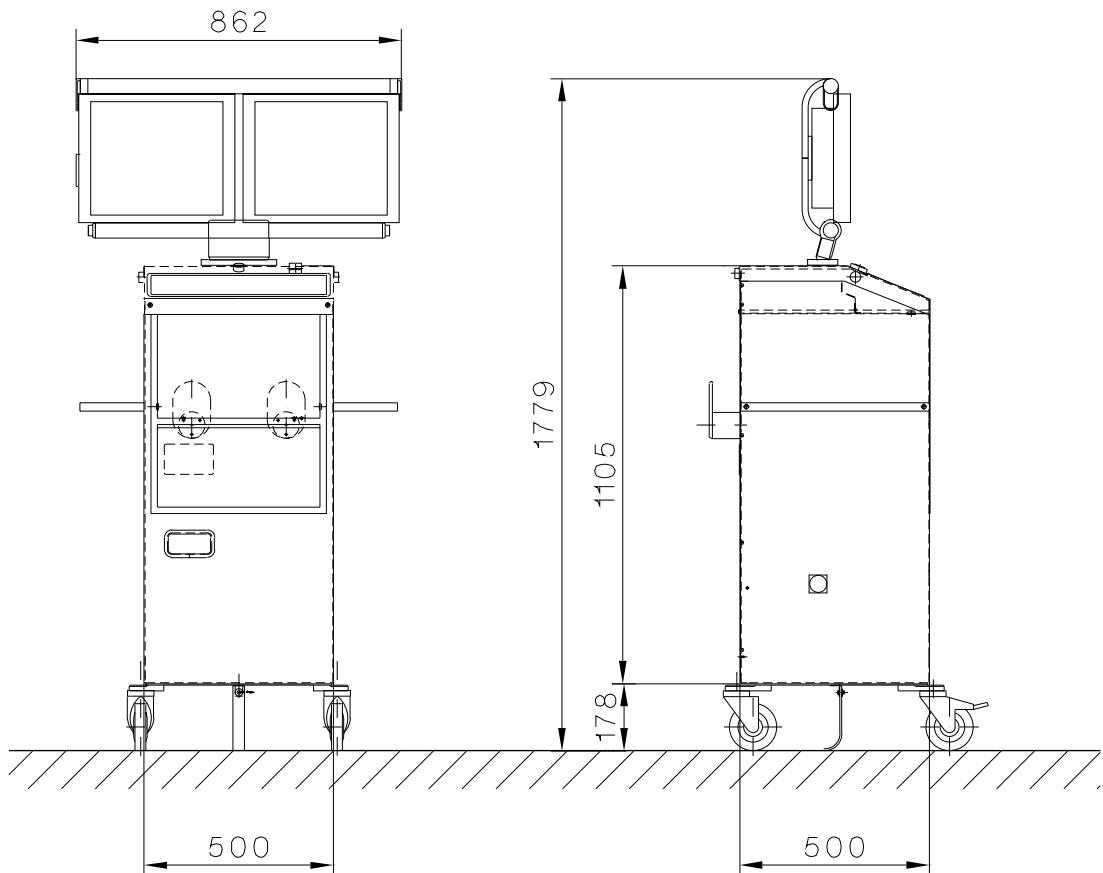
Vertical travel: 380 mm

Angulation: 190° ( $\pm 95^\circ$ )

Orbital pivot range: 182° ( $\pm 91^\circ$ )

Horizontal pivot range:  $\pm 10^\circ$

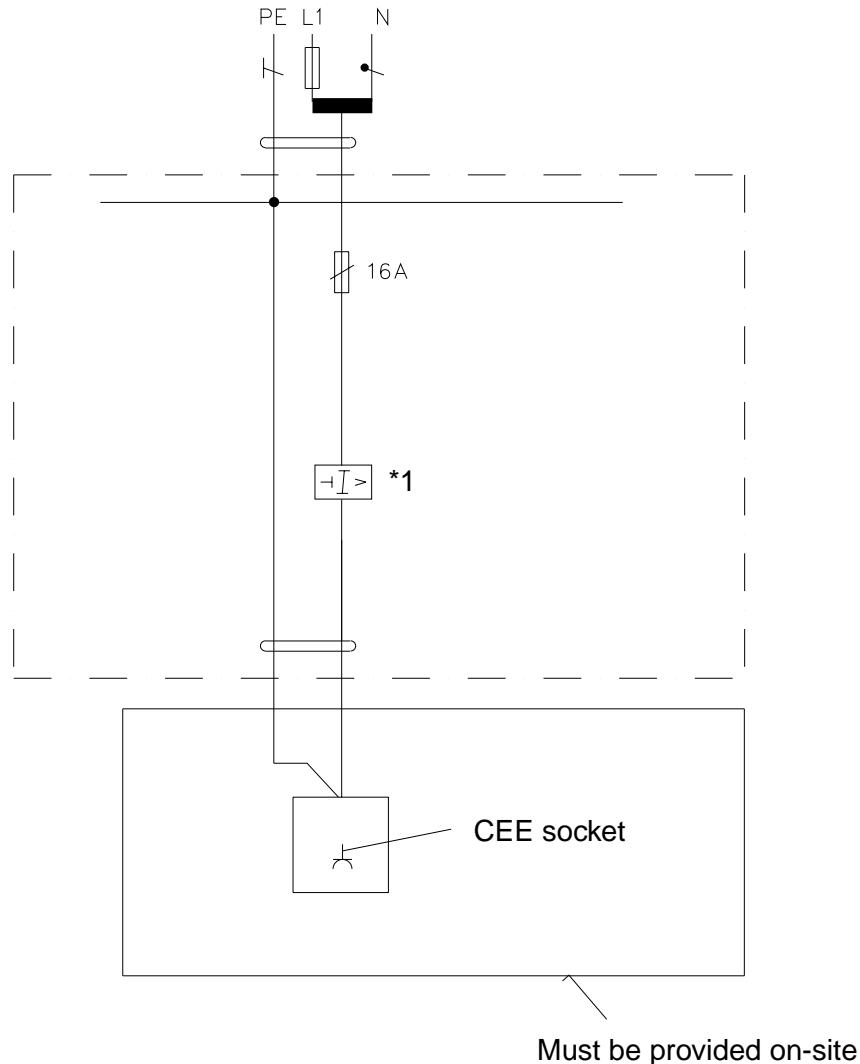
## ◆ Monitor Trolley Dimensions



1 : 20

## On-site Electrical Installation

◆ Recommendation for on-site power distributor according to DIN VDE 0100-710



\*1 FI - switch  $I_{\Delta N}$  30 m A leakage current from AC voltage or DC/pulsed DC voltage

◆ **NOTE**

### New Power Cable for Units Shipped to Great Britain/Ireland.

Since July 2003, systems shipped to GB/IE include a new power cable with a country-specific power connector.

The cable length has been reduced to 5 m to meet all regulations and standards.

The connector includes an additional 13 A slow-blow fuse.

The values of the internal fuses in the systems (fuse F1 and F2) are not affected.

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## Electrical Data

	Line voltage connection	Fuses (internal)	Internal line impedance	Average power consumption
<b>POWER-MOBIL</b>	100/110/120/127/ 200/230/240 V $\pm 10\%$ 50/60 Hz $\pm 1$ Hz	15 A slow-blow from 200 V 20 A slow-blow up to 127 V	$\leq 0.30 \Omega$ -100/110/ 120/127 V $\leq 0.80 \Omega$ -200/230/240 V	max. 2.5 kVA

## Weight and Heat Dissipation

	Weight [kg]	Heat dissipation [W]
<b>POWERMOBIL</b>	approx. 430	approx. 550
<b>Monitor trolley</b>	approx. 195	approx. 600

## Ambient Temperature and Relative Humidity

POWERMOBIL	In operation	Transport / storage
<b>Permissible ambient temperature</b>	+ 10° C ... + 37° C	- 20° C ... + 37° C
<b>Permissible relative humidity</b>	15 % ... 75 %	10 % ... 100 %
<b>Permissible atmospheric pressure</b>	700 hPa ... 1060 hPa	500 hPa ... 1060 hPa

## Packing and Transport Routes

<b>Largest crate</b>	L 2450 x W 990 x H 2100 mm
<b>Heaviest single component</b>	approx. 400 kg without packing approx. 550 kg with packing (standard packing) approx. 700 kg with packing (overseas packing)
<b>min. door width for transporting the unpacked system</b>	min. 800 mm door width

## ◆ Surface Colors

<b>Basic color</b>	Medical White C610
<b>Combination color</b>	Medical Blue C750 Medical Red C753 Medical Basic C701

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<b>Chapter</b>	<b>Page</b>	<b>Change</b>
0 - 5		Rev. level of document changed from 03 to 04.
2	2-1	Dimensions expanded.
2	2-2	New illustration added.
3	3-1	On-site electrical installation text updated, PG Speed Info 001/03/SP integrated.
4	4-1	Electrical data and surface colors updated.
5	5-1	Changes to Previous Version updated.

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